

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for determining the level of glucose in the blood of an individual comprising:

- (i) obtaining a sample of hair or urine from said individual, said sample being a non-blood sample but containing blood components:
- (ii) determining the volume of blood in the obtained sample by measuring the level of hemoglobin in said samples:
- (iii) determining the amount of glucose in the sample or in the blood cells present in said non-blood sample; and
- (iv) calculating the level of glucose in the blood of the tested individual based on the measurements in (iii) and (iv).

Claims 2 - 3 (Cancelled)

4. (Previously Presented) A method according to Claim 1, wherein said non-blood sample is a sample of hair obtained from said individual, the method comprising:

- (i) obtaining a sample of hair from said individual;
- (ii) determining the amount of blood and interstitial fluid, if present, in said obtained sample and if necessary, correcting variations between different hair samples;
- (iii) determining the level of glucose in said blood and interstitial fluid, if present and
- (iv) calculating the level of glucose in the blood of the tested individual based on the measurements in (ii) and (iii).

5. (Original) A method according to claim 4 wherein before stage (ii) said blood and interstitial fluid, if present, are first extracted from the hair follicle of said obtained hair.

6. (Currently Amended) A kit for determining the level of glucose in the blood of a tested individual comprising:

- (i) means for obtaining a sample of hair or urine from said individual, said sample being a non-blood sample but containing blood components;

- (ii) means for measuring the level of ~~a blood component~~ hemoglobin in the sample;
- (iii) means for measuring the level of glucose in the obtained sample selected from the group consisting of fluorescence, chemiluminescence, bioluminescence, colorimetric methods, and electrochemical methods;
- (iv) means for calculating the level of glucose in the blood of the tested individual on the bases of the measurements obtained in (ii) and (iii) above.

7. (Previously Presented) A kit according to Claim 6, further comprising means for separating red blood cells from the sample.

8. (Previously Presented) A kit according to Claim 6, further comprising means for lysing red blood cells.

9. (Currently Amended) A kit according to claim 6, further comprising a test strip incorporating reagents or structures necessary to carry out the measurement of the glucose and blood component and a instrument into which the test strip can be inserted into or to which the test strip may be connected; said instrument being an instrument that detects

and analyzes and optionally translates ~~said~~ signals into relevant units.

10. (Currently Amended) A kit according to Claim 6, wherein the obtained body sample is a hair sample, said kit comprising the following:

- (i) hair removal means;
- (ii) a diluent in which the blood or interstitial fluid from the obtained hair is collected;
- (iii) means for the determination of the level of a blood component in the blood and interstitial fluid specimen, if present;
- (iv) means for determination of the level of glucose in the blood and interstitial fluid specimen, if present said means selected from the group consisting of fluorescence, chemiluminescence, bioluminescence, colorimetric, and electrochemical methods;  
and
- (v) means for calculating the level of glucose in the blood of the tested individual on the basis of the measurements obtained in (iii) and (iv) above.

Claim 11 (Cancelled)

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12. (Original) A kit according to Claim 6, further comprising a metabolic inhibitor capable of preventing glucose utilization by living cells present in said sample.

Claims 13-14. (Cancelled)